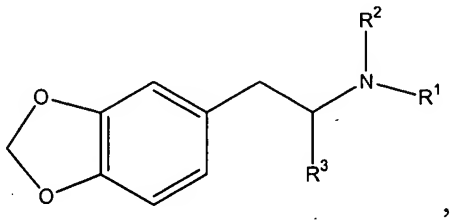
AMENDMENTS TO THE CLAIMS

Please amend the claims in above-identified patent application as follows:

What is claimed is:

1. (currently amended) A compound having a structure



,

wherein:

R^1 is –J-M-T;

R^2 is ~~selected from the group consisting of hydrogen, an alkyl group, and~~ a protecting group; and

R^3 is an optionally substituted alkyl group; wherein

J is a straight or branched chain comprising ~~comprises~~ 1-15 carbon atoms and 0-6 heteroatoms;

M is selected from the group consisting of –O–, –CO–, –NR^4–, –S–, –C(=NH)O–, –NH(CO)–, –NH(CO)NH–, –NH(CS)–, –NH(CS)NH–, –O(CO)NH–, and –NH(C=NH)–, ~~and maleimidothioether,~~ wherein R^4 is selected from the group consisting of hydrogen and an alkyl group~~, with the proviso that when M is –O–, T is not H~~; and

T is selected from the group consisting of ~~hydrogen, a hydroxyl,~~ a hydroxyl and a leaving group~~, a macromolecular carrier, and a label;~~

~~with the proviso that R1 is not –CH2CH2OH, when R2 is hydrogen and when R3 is methyl~~.

2. (currently amended) The compound of ~~claim 1~~ claim 51 wherein the macromolecular carrier is selected from the group consisting of a protein, a polypeptide, and a polysaccharide.

3. (original) The compound of claim 2 wherein the protein is selected from the group consisting of keyhole limpet hemocyanin, bovine serum albumin, and bovine thyroglobulin.

4. (original) The compound of claim 1 wherein J comprises 1-11 carbon atoms.

5. (original) The compound of claim 4 wherein J is $-(CH_2)_k-$ and k is 1, 2, 3, 4, 5, or 6.

6. (currently amended) The compound of claim 5 wherein R^2 is ~~selected from the group consisting of hydrogen, methyl, ethyl, and~~ a protecting group, and R^3 is selected from the group consisting of methyl, ethyl, n-propyl, and n-butyl.

7. (original) The compound of claim 6 wherein k is 3 and M is –CO–.

8. (original) The compound of claim 7 wherein T is a leaving group.

9. (currently amended) The compound of claim 7 wherein R^2 is ~~hydrogen or~~ a protecting group, and R^3 is methyl.

10. (original) The compound of claim 7 wherein T is a leaving group comprising N-oxysuccinimide.

11. (currently amended) The compound of claim 10 wherein R^2 is ~~hydrogen or~~ a protecting group, and R^3 is methyl.

12. (currently amended) The compound of ~~claim 7~~ claim 51 wherein T is a macromolecular carrier selected from the group consisting of a hemocyanin, a globulin, and an albumin~~, and a polysaccharide~~.

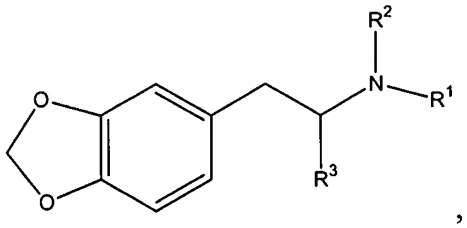
13. (currently amended) The compound of claim 12 wherein R^2 is ~~hydrogen or~~ a protecting group, and R^3 is methyl.

14. (previously presented) The compound of claim 9 wherein R^2 is trifluoroacetyl and T is N-oxysuccinimide.

15. (previously presented) The compound of claim 9 wherein R^2 is trifluoroacetyl and T is hydroxyl.

16-18 (cancelled)

19. (currently amended) An antibody produced in response to a compound having the structure



wherein:

R^1 is –J-M-T;

R^2 is selected from the group consisting of ~~hydrogen,~~ hydrogen and an alkyl group~~, and a protecting group~~; and

R^3 is an optionally substituted alkyl group; wherein

J is a straight or branched chain comprising ~~comprises~~ 1-15 carbon atoms and 0-6 heteroatoms;

M is selected from the group consisting of –O–, –CO–, $–NR^4–$, –S–, –C(=NH)O–, –NH(CO)–, –NH(CO)NH–, –NH(CS)–, –NH(CS)NH–, –O(CO)NH–, –NH(C=NH)–, and maleimidothioether, wherein R^4 is selected from the group consisting of hydrogen and an alkyl group, with the proviso that when M is –O–, T is not H; and

T is a macromolecular ~~carrier.~~ carrier,

wherein the compound is produced from the compound of claim 51.

20. (currently amended) The antibody of claim 19 wherein the macromolecular carrier is selected from the group consisting of a ~~protein,~~ protein and a polypeptide~~, and a polysaccharide~~.

21. (original) The antibody of claim 19 wherein J comprises 1-11 carbon atoms.

22. (original) The antibody of claim 21 wherein J is $-(CH_2)_k-$ and k is 1, 2, 3, 4, 5, or 6.

23. (currently amended) The antibody of claim 22 wherein R^2 is selected from the group consisting of hydrogen, methyl, and ethyl, ~~and a protecting group,~~ and R^3 is selected from the group consisting of methyl, ethyl, n-propyl, and n-butyl.

24. (original) The antibody of claim 23 wherein k is 3 and M is –CO–.

25. (cancelled)

26. (currently amended) The antibody of claim 24 wherein R^2 is hydrogen ~~or a protecting group,~~ and R^3 is methyl.

27. (currently amended) The antibody of claim 26 wherein T is a macromolecular carrier selected from the group consisting of a hemocyanin, a globulin, and an albumin~~, and a polysaccharide~~.

28-31 (cancelled)

32. (original) A reagent kit comprising the antibody of claim 19.

33. (original) A reagent kit comprising the antibody of claim 27.

34-47 (cancelled)

48. (previously presented) A method of detecting an analyte in a sample, the analyte comprising an ecstasy drug or an ecstasy drug derivative, comprising:

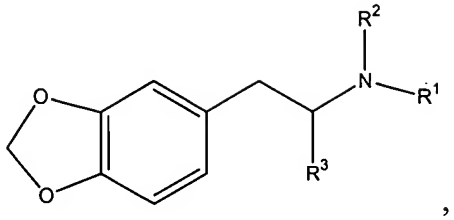
contacting the sample with the antibody of claim 19 and a label which is detectable upon binding of the antibody to the analyte;

binding the antibody to the analyte; and

detecting an adduct formed by the antibody and the analyte.

49-50 (cancelled)

51. (new) A compound having a structure



wherein:

R^1 is –J-M-T;

R^2 is a protecting group; and

R^3 is an optionally substituted alkyl group; wherein

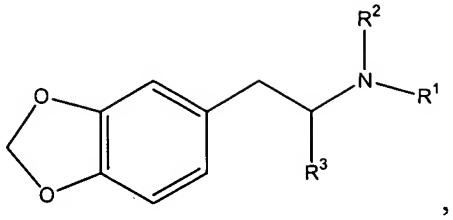
J is a straight or branched chain comprising 1-15 carbon atoms and 0-6 heteroatoms;

M is selected from the group consisting of –O–, –CO–, –NR^4–, –S–, –C(=NH)O–, –NH(CO)–, –NH(CO)NH–, –NH(CS)–, –NH(CS)NH–, –O(CO)NH–, and –NH(C=NH)–, wherein R^4 is selected from the group consisting of hydrogen and an alkyl group; and

T is a macromolecular carrier.

52. (new) The compound of claim 51 wherein k is 3 and M is –CO–.

53. (new) A compound having a structure



wherein:

R^1 is –J-M-T;

R^2 is a protecting group; and

R^3 is an optionally substituted alkyl group; wherein

J is a straight or branched chain comprising 1-15 carbon atoms and 0-6 heteroatoms;

M is selected from the group consisting of –O–, –CO–, –NR^4–, –S–, –C(=NH)O–, –NH(CO)–, –NH(CO)NH–, –NH(CS)–, –NH(CS)NH–, –O(CO)NH–, and –NH(C=NH)–, wherein R^4 is selected from the group consisting of hydrogen and an alkyl group; and

T is a label.

54. (new) A method of detecting an analyte in a sample, the analyte comprising an ecstasy drug or an ecstasy drug derivative, comprising:

contacting the sample with the antibody of claim 27 and a label which is detectable upon binding of the antibody to the analyte;

binding the antibody to the analyte; and

detecting an adduct formed by the antibody and the analyte.